What is claimed is:

1. A decoration material which is composed of a cycloolefin co-oligomer whose refractive index n_D (25°C) is from 1.50 to 1.60 and whose Abbé number is from 50 to 60.

2. The decoration material as claimed in claim 1, wherein the oligomer is composed of at least one cyclic olefin monomer and of at least one acyclic olefin monomer.

3. The decoration material as claimed in claim 1 or 2, wherein the cycloolefin co-oligomer is a norbornene-ethylene or tetracyclododecene-ethylene co-oligomer.

4. The decoration material as claimed in any of claims 1 to 3, wherein the intertwining length M_c of the oligomer = $2 * M_e$ = 10 000 g/mol.

5. The decoration material as claimed in any of claims 1 to 4, wherein the molar mass of the cycloolefin co-oligomer is < 5000 g/mol.

6. The decoration material as claimed in any of claims 1 to 5, wherein the average chain length of the cycloolefin co-oligomer is smaller than $2 * M_e$.

7. The decoration material as claimed in any of claims 1 to 6, wherein the intrinsic viscosity [η] of the cycloolefin co-oligomer is in the range from ≤ 25 to ≤ 15.

8. The decoration material as claimed in any of claims 1 to 7, wherein the density of the cycloolefin co-oligomer is from 0.95 to 1.05 g/cm^3.

9. The decoration material as claimed in any of claims 1 to 8, wherein the haze of the cycloolefin co-oligomer is from 1 to 10%.

10. The decoration material as claimed in any of claims 1 to 9, wherein the clarity of the cycloolefin co-oligomer is from 50 to 99%.

11. The decoration material as claimed in any of claims 1 to 10, wherein

the luster value of the cycloolefin co-oligomer is from 85 to 140%.

12. The decoration material as claimed in any of claims 1 to 11, which is spherical, cylindrical, or lamellar.

13. A process for production of a decoration material as claimed in claim 1, which comprises melting a cycloolefin co-oligomer, and converting it into the desired shape in the molten state and then cooling it.

14. A process for production of a decoration material as claimed in claim 1, which comprises melting a cycloolefin co-oligomer, converting it to the desired shape in the molten state and then using a Sandvik belt to cool it in such a way as to produce marked shrinkage in the decorative beads, so that the density of the decorative beads is $< 1.00\ g/cm^3$.

15. A mixture composed of two or more decoration materials as claimed in claim 1, where the density of at least one portion of the decoration material is greater than $1.0\ g/cm^3$ and the density of another portion is smaller than and/or equal to $1.09\ g/cm^3$.

16. The use of a decoration material as claimed in claim 1 as filler material in vases, as display material in display windows, or as table-decoration material.